

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:40:19 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	458	D&R	#4 RHENIFORMER	2006	1-3	Are workers knowledgeable of the type and magnitude of the hazards associated with their work?	Yes, training , CBT, permits, MSDSs, signage in the plant, sign-in procedures, LOTO, and the MOC process are used to communicate hazards. However, it is difficult to find specific MSDS information in the current organization of MSDSs on the Intranet.	Consider developing an improved process for accessing plant specific chemical inventory as it relates to MSDS information. This is especially important for the LOTO process and opening lines and equipment.	The specific chemical inventory for each Division is updated yearly and is accessible by all employees through the chemical inventory forms that are on the web under the reference section. All employees also have access to the MSDS database to print off the information. The information is also located in the EOMs. If an employee can not locate a MSDS, there are safety reps assignend to each Division for additional assistance.	10/12/2007	Capshaw, Michelle L.	Completed
Latent Condition	459	D&R	#4 RHENIFORMER	2006	2-20	Is all information necessary for performing procedures included or referenced in the procedure?	The information in the procedures is not all current. The ABU manager has a CAP task resulting from an Agency audit to bring all the D&R operating procedures up to date and put them into the EOM on the refinery Intranet by September 2007	Implement the process to bring manuals and procedures up-to-date and keep them current.	All procedures have been converted to EOM format, put on the web, and reviewed by a subject matter expert. This was completed in Sept. 2007	10/12/2007	Simmers, Carl B.	Completed
Latent Condition	460	D&R	#4 RHENIFORMER	2006	2-35	Is equipment and instrumentation clearly labeled and are the equipment and instrument tag numbers used in the procedures?	Yes and yes, the equipment is clearly labeled and the procedures do reference the same tag numbers. The format of the instrument numbering in 4 Cat is not consistent throughout the manual or in the field. For example a flow controller changed to a cascade level-to-flow control may be called an FC on the Honeywell DCS and be tagged as an LV in the field	Consider making field instrument tags in 4 Rhen consistent with the DCS tag numbers	Submit Work Request #28123148 to have bake lite tags made for field instruments to match DCS tags.	10/12/2007	Crowe, Stanley J.	Completed

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Latent Condition	462	D&R	#4 RHENIFORMER	2006	4-1	Are the communications facilities between process units adequate for clear and uninterrupted communications during both normal and emergency situations [e.g., telephone land lines, radio, computer network, and E-mail, and are systems redundant and/or secu	Phones and radios are the primary means of communication, Computers and the Intranet are also used Radios are not functional during a large refinery upset.	Consider upgrading the system to provide effective communication during major upsets	Established CFD SOP 135, requiring that the CFD/ RFD patches be removed at the end of the shift and only used as approved by the Shift Captain or Battalion Chief. During a major event or turnarounds, leaving the patches on could decrease system performance by 30%. Completed service on system 12/6/2006 for Nextel rebanding and discovered some maintenance issues. The rebanding and tuning in the radios should decrease interference.	1/12/2007	Tydingco, James D.	Completed
Latent Condition	463	D&R	#4 RHENIFORMER	2006	4-68	Are the control building air conditioning and pressurization adequate to protect the electronic instrumentation?	The north side (facing the old 2 Cat site) door to the control room is a handicap access door that operates very, very slowly. Persons disable the door mechanism and leave the door open because of the slow door speed. This is a Shelter-in-Place building and a location where plant operation must continue during a toxic release or an explosion.	Consider relocating the handicap access door or modifying the door actuation to make it more suitable for normal operation	The door must be left as a motor operated door due to the control house having to have handicapped access. Moving the handicapped door to one of the front doors was considered but would require modifications to additional internal doors and ramps/parking changes totally 15M\$. Maintenance will be done on the door to speed up the motor to decrease the opening and closing time to create less inconvenience for the operators going to the lab. The operators must keep this door shut due to maintaining a pressurized control house.	10/12/2007	Capshaw, Michelle L.	Completed
Latent Condition	466	D&R	#4 RHENIFORMER	2006	1-4	Are the worker's knowledge, skills, and abilities adequate to perform the job safely?	Operator training and CBT in general are OK; however, CBT refresher training is less than desired.	Consider improving the CBT refresher training by improving the content to make it more specific to the current operation and by providing the opportunity for face-to-face dialog.	The CBT was reviewed and updated by Op's - confirmed through Ed Murphy	2/2/2008	Murphy, Edward	Completed

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ISS	845	D&R	#4 RHENIFORMER	2006	4A10	Use fail-safe controls on loss of utilities?	All controls are designed to go to a safe position- either open, closed or locked in place on loss of instrument air except for FV-94 in #4 Rhen, controlling the level in V-3590 that fails open, which is the opposite of the fail position of the same valve in #5 Rhen	Consider performing a review of the failure direction of the #4 Rhen FV-94 and communicate the result to operations and technical personnel. Replace valve if appropriate.	Dan will review the failure action of both Rheniformer Overhead Bottoms control valves, FV-94. If changes to one of the valves are appropriate, Dan will initiate an engineering work request to reverse the failure action on the valve. This A/C will be complete when the field modifications are done or when the failure action of both valves is determined to be correct. 6/07 update The failure direction is incorrect in the field. The parts and work request are in the system to change it to the right failsafe direction. The work is scheduled for the week of 6/4/07. Job completed the week of 6/11/07--valve failure direction has been corrected.	6/1/2007	Matson, Dan	Completed
ISS	846	D&R	#4 RHENIFORMER	2006	4A11	Limit complexity and degree of instrument redundancy?	The Trisen system on the recycle compressors and the furnace SSD systems are somewhat complex with numerous indications	Consider updating the PCO training to include a more comprehensive discussion of both systems	This item to improve the documentation/training for the trisen systems on the compressors is being addressed under the PHA item Section 45/Item 4 in under 5 Rheniformer.	6/1/2007	Wilson, Clifford P.	Completed
Seismic	420	D&R	#4 RHENIFORMER	2006		F-3550-80	Cracked foundation pedestal concrete at southeast corner, pics 4 and 5.	Remove and replace cracked concrete	Work has been completed, per recommendation.	6/1/2008	Lee, Gerald W.	Completed
Seismic	421	D&R	#4 RHENIFORMER	2006		R3550-80	Cracked and spalling skirt fireproofing, pic 6.	Remove portion of fireproofing and check for corrosion. Replace all fireproofing as reqd.	Work has been completed, per recommendation.	6/1/2008	Lee, Gerald W.	Completed
Seismic	422	D&R	#4 RHENIFORMER	2006		E-3580A	Missing anchor bolt nut, pic 7.	Replace missing nut and provide washer larger enough to engage base plate if there is uplift.	Work complete per Paul Reid. - 7/6/07	6/30/2007	Post, Ronald W.	Completed
Seismic	423	D&R	#4 RHENIFORMER	2006		E-3590	Spalling and cracked fireproofing, pic 8.	Remove and replace cracked fireproofing.	The fireproofing has been verified as repaired to a good condition.	8/1/2008	Lee, Gerald W.	Completed
Seismic	424	D&R	#4 RHENIFORMER	2006		E-3570 AB	Spalled fireproofing seen from V-3590, pic 9.	Remove and replace cracked fireproofing	The fireproofing has been verified as repaired to a good condition.	8/1/2008	Lee, Gerald W.	Completed

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Seismic	425	D&R	#4 RHENIFORMER	2006		E-3593	Part of knee brace cut out, pic 10.	Reinforce or relocate and install new brace.	3" x 3" x 1/4" Angles were bolted onto each side of the existing beam with A-325 bolts, nuts, and washers. This will stengthen and reinforce the existing beam. (For details see EWO-2490)	6/30/2007	Lee, Gerald W.	Completed
Seismic	426	D&R	#4 RHENIFORMER	2006		Finfan92A&C	Cracked fireproofing on steel column, pic 11.	Remove and replace fireproofing	The fireproofing has been verified as repaired to a good condition.	8/1/2008	Lee, Gerald W.	Completed
Seismic	427	D&R	#4 RHENIFORMER	2006		E-3561	Missing anchor bolt nut and grout, pic 12	Install nut on anchor bolt and replace missing grout.	Work completed per Paul Reid 7/6/07	6/30/2007	Lee, Gerald W.	Completed
Seismic	428	D&R	#4 RHENIFORMER	2006		V3585	Severely eroded fireproofing	Inspect skirt for corrosion and replace fireproofing	Work has been completed, per recommendation.	6/1/2008	Lee, Gerald W.	Completed